

[illegible]

Matura

[illegible]

Alignment of HSO47 With HLA/IL-12 β Chains

<u>Molecule</u>	<u>Position</u>	<u>Amino Acid Sequence</u>	<u>Position</u>
Human Hsp47	96	AvlsAEQLR	104
Hu Colligin 2	95	AVLSAEQLR	103
HLA-A2 A*0201	149	AahvAEQLR	157
HLA-A2 A*0204	167	AahvAEQLR	175
HLA-A2 A*0206	175	AahvAEQLR	183
HLA-A2 A*0211	166	AahvAEQLR	174
HLA-A10 alpha	84	AahvAEQLR	92
HLA-Aw 69	150	AahvAEQLR	158
Rat Hsp47	94	AVLSAEkLR	102
Mouse Hsp47	94	AVLSAEkLR	102
Hamster Hsp47	94	AVLSAEkLR	102
Chicken Hsp47	82	AVLSAdkLn	90
Hu IL-12 β -chain	150	AtLSAErvR	158
mouseIL1 2 β -chain	150	AtLSAErvR	158
cat IL-12 β -chain	150	AtLSAEkvR	158
cow IL12 β -chain	150	AlLSAEkvn	158
Consensus HSP		AVLSA(d,e)(k,q)LR	
Consensus HLA		A(v,a)(l,h)(a,v)AEQLR	
Consensus IL-12 β -chain		A(v,l,t)LSAE(q,k,r)(l,v)R	
Overall Consensus		A(v,l,a,t)(l,h)(a,v)A(d,e)(k,q,r)(l,v)R	

FIG. 2

FIG. 3A

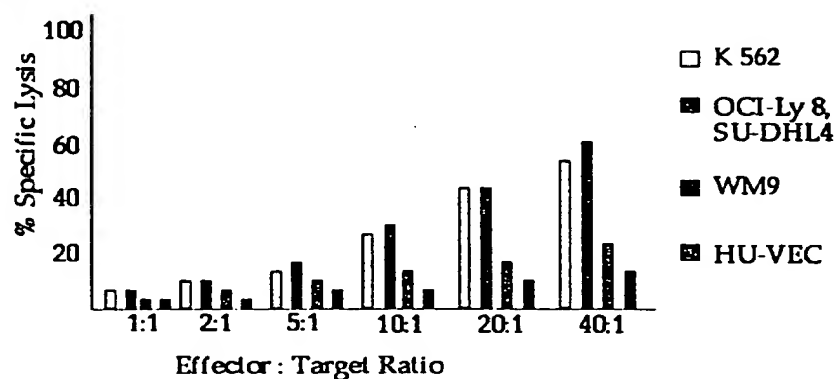


FIG. 3B

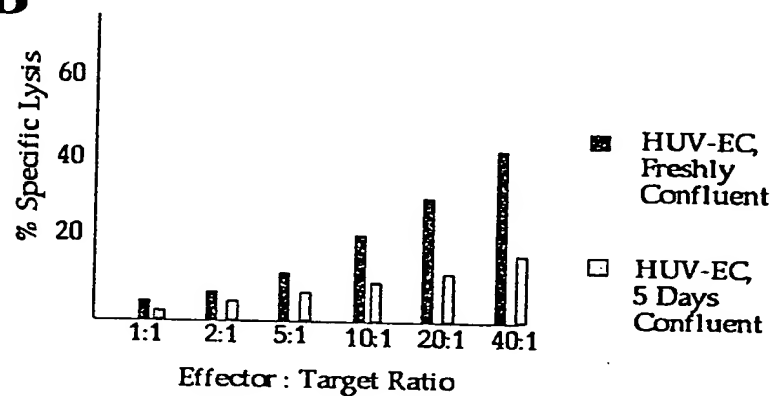
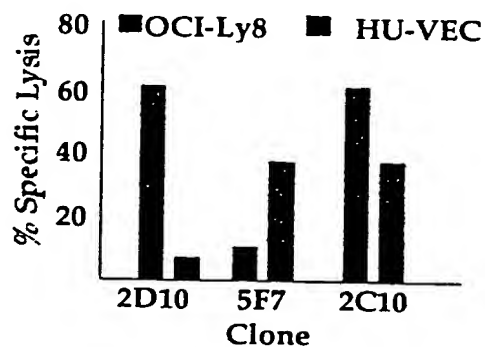


FIG. 3C



Bar graph showing % Specific Lysis (Y-axis, 0 to 60) versus BFA concentration (X-axis, 0, 2.5, 5, 7.5, 10 μ M). The graph compares the effect of BFA on OCI-Ly8 (black bars) and HUV-EC (hatched bars) cell lines. OCI-Ly8 shows high specific lysis (~55-60%) across all BFA concentrations. HUV-EC shows a dose-dependent decrease in specific lysis, starting at ~26% at 0 μ M and dropping to ~2% at 10 μ M.

BFA [μ M]	OCI-Ly8 (% Specific Lysis)	HUV-EC (% Specific Lysis)
0	~58	~26
2.5	~56	~15
5	~58	~9
7.5	~56	~4
10	~55	~2

d21 CIK Effector : Target Ratio 20:1

FIG. 4

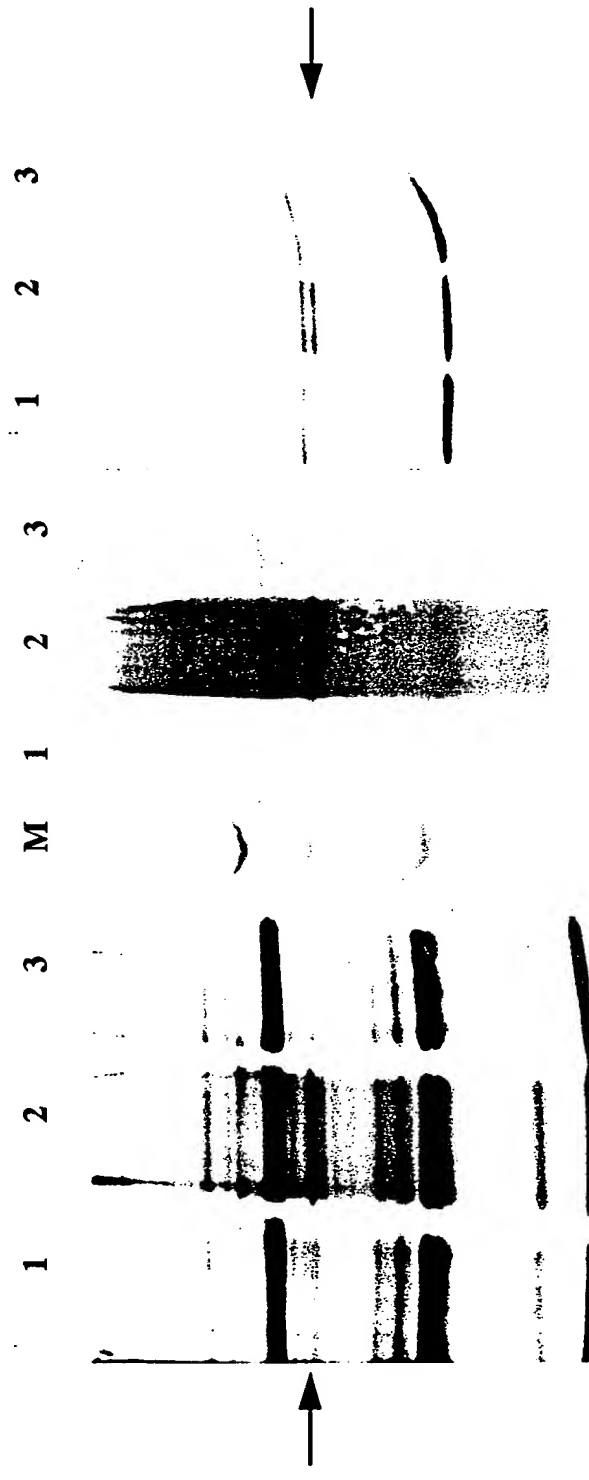
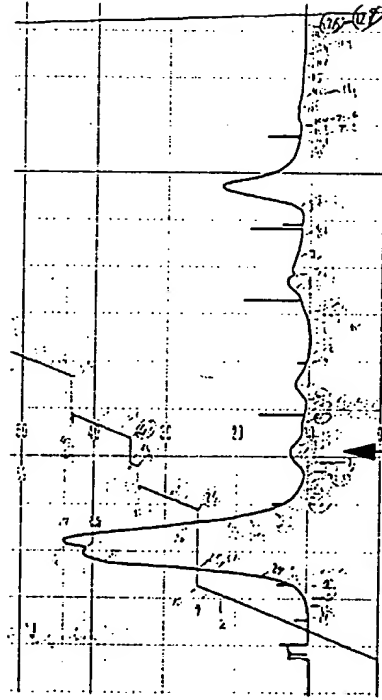


FIG. 5A

FIG. 5B

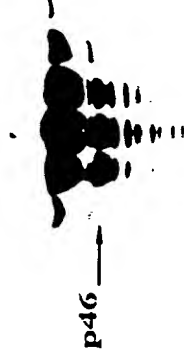
FIG. 5C

FIG. 6A



Specific Elution Of Hsp47

FIG. 6B



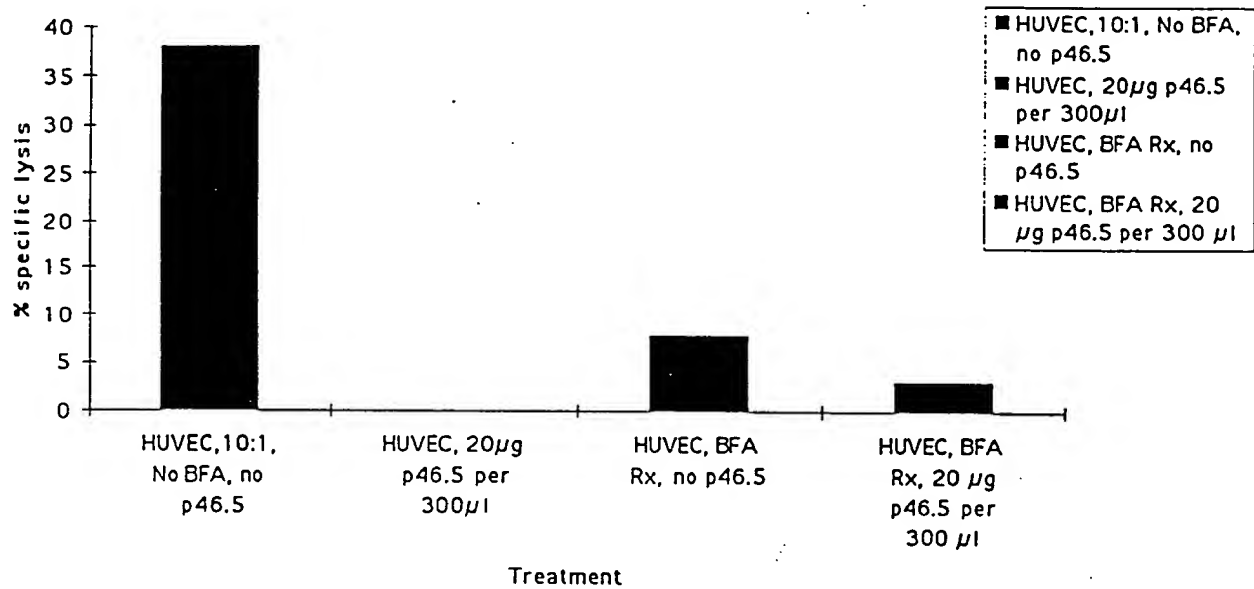


FIG. 7

FIG. 8A

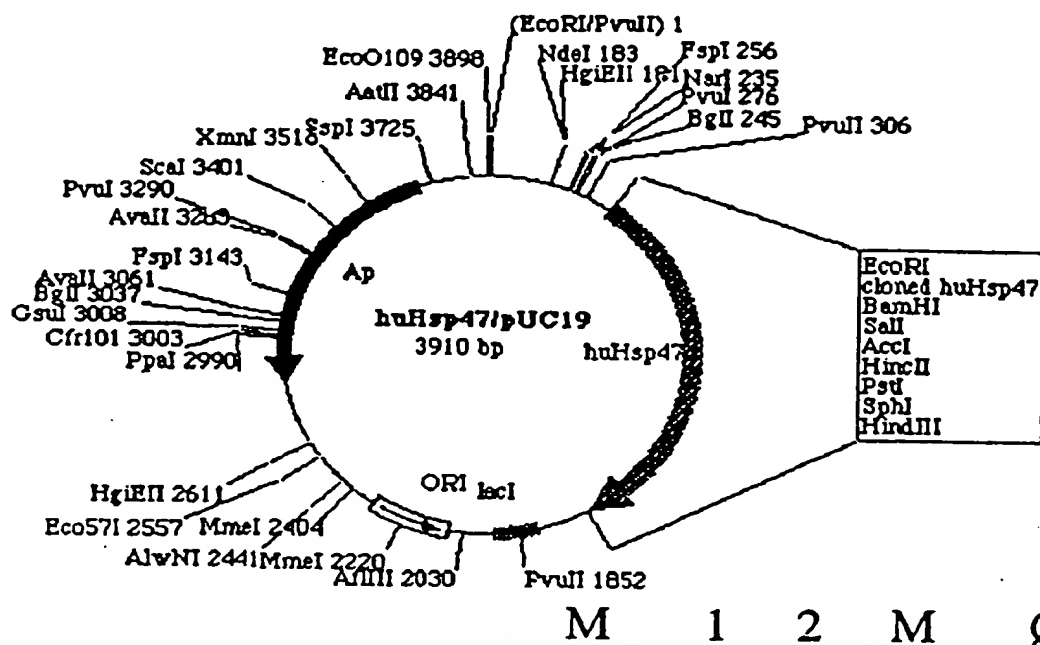
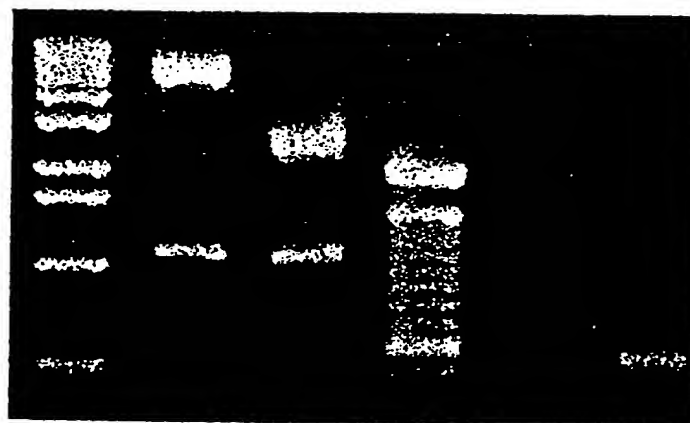


FIG. 8B



Plasmid name: huHsp47/pUC19

Plasmid size: 3910 bp

Constructed by: Ernest-G. Hope

Construction date: 1996

Comments/References: puc 19 based huHsp47 gene cassette derived from 2 partial clones in pCR1000/pGEM via primers (A:5'-ACGTTTGATCCAGGTGAAAG,3'-GTCCTTGCCAT B:5' GCAATGGCCAAAGACCAGGCAGTGGAG,3'ATCTGAATTCCCTATAACTCGTCTCGCA)

Protection From CIK Mediated Lysis Of EC After Incubation With Increasing Concentrations Of Externally Added rhuHsp47 :

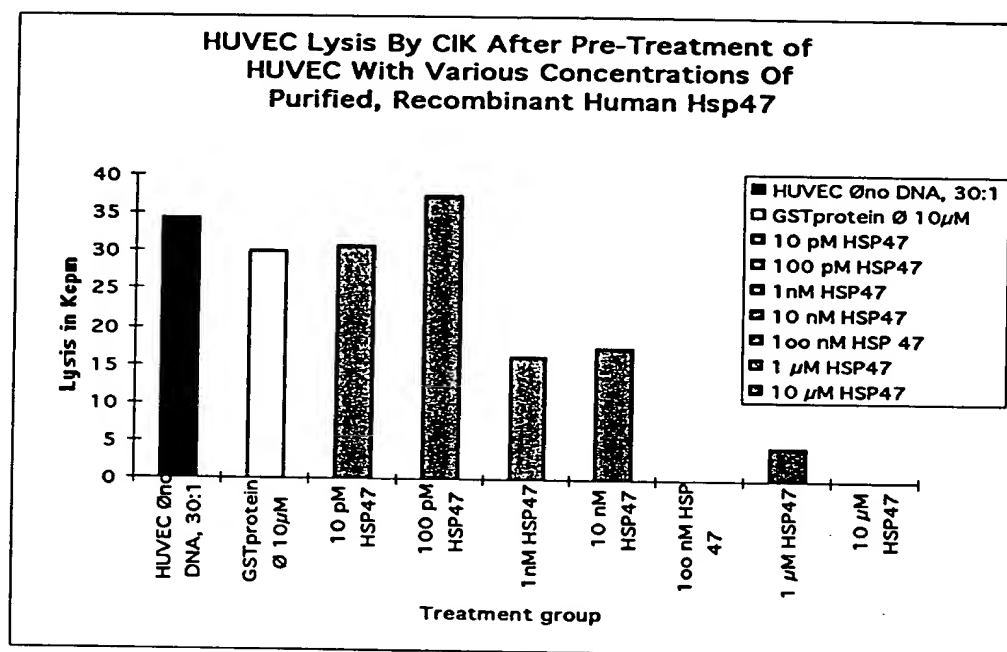


FIG. 9

S	3		
t	0	2	6
a			
r	m	h	h
t	i	r	r
	n		

2.4 Kb→

1.4 Kb →

Actin Probe

FIG. 10

HUVEC Lysis by CIK in presence of Hsp47/HLA-A2 peptide

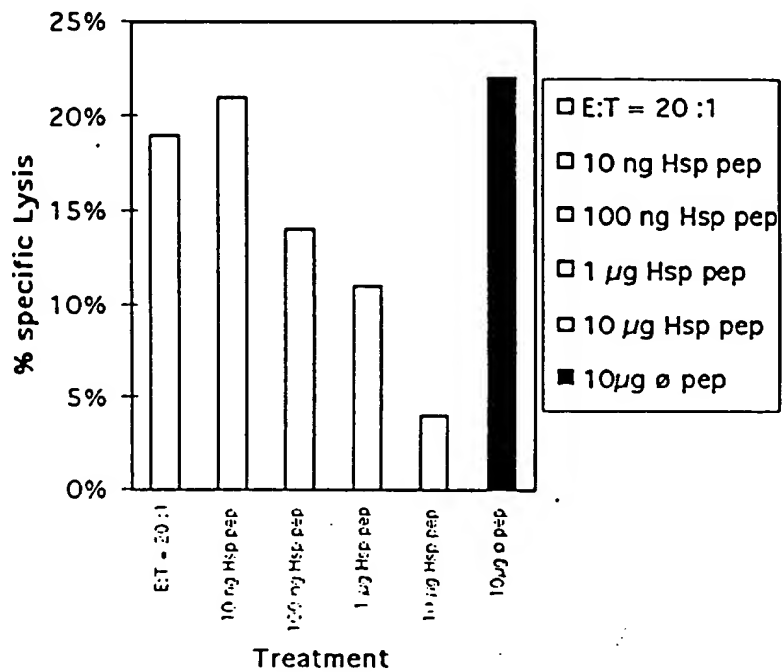
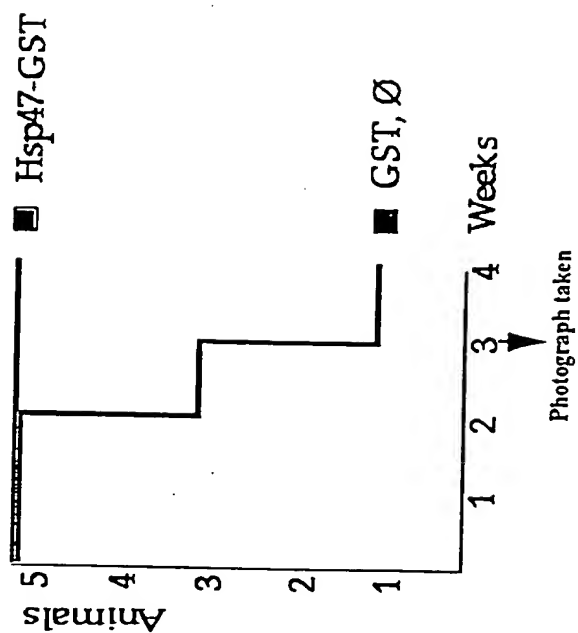


FIG. 12

FIG. 13



Hsp47 Group Control Group

FIG. 14A

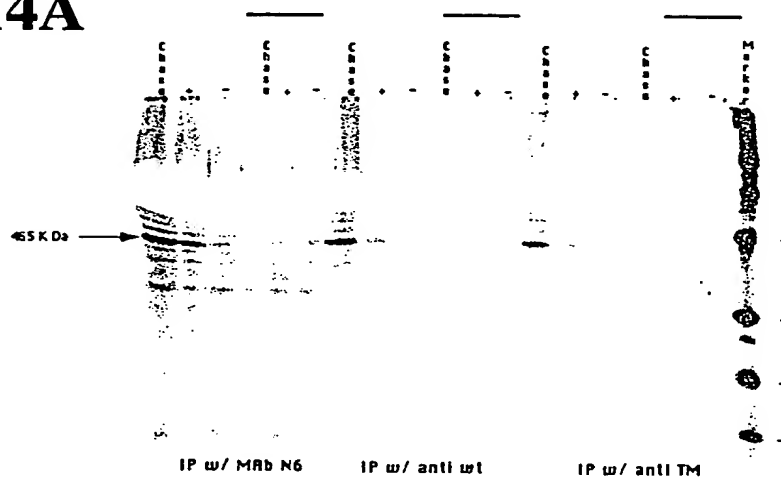


FIG. 14B

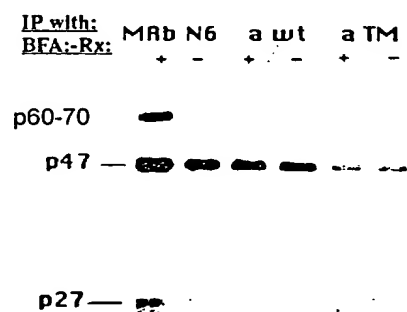


FIG. 15A

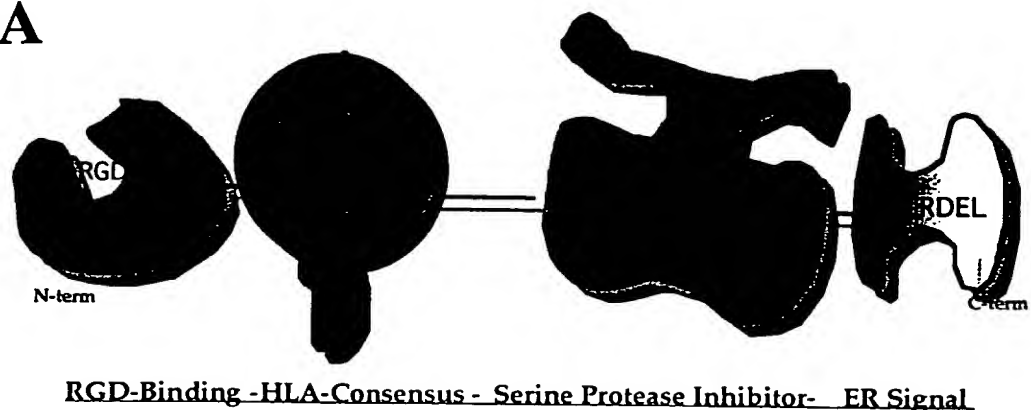


FIG. 15B

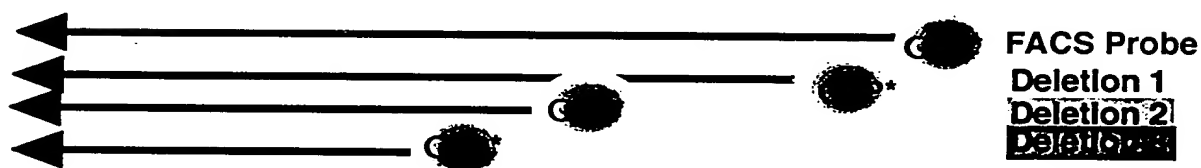


FIG. 15C

